



Docket No. 0630-1353P

Appl. No.: 09/987,181

Amendment dated October 21, 2003

Reply to Office Action of May 21, 2003

Page 12 of 12

Abstract of the Disclosure

An oscillating reluctance motor includes a rotor having a center on which a rotational shaft is fixed thereto, and a pair of teeth protruding from said rotational shaft and arranged in positions opposite to each other; a stator in which a cylindrical space is formed so that the rotor can rotate and first and second winding parts are formed; rotation control means which is installed between the rotor and a stator to control rotation of the rotor, wherein a first winding coil is wound on the first winding part, a second winding coil is wound on the second winding part and the first winding part and the second winding part are formed having an angle centering around the rotational shaft as a pair so that the rotor can perform periodic rotation movement.